Approved for use through 7/31/2006. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Panerwork Reduction Act of 1995, no n

	PAT	TENT APPLI		N FEE DET! tute for Form P		NC	RECORD		Applica	tich or Docket No.	55
	i	CLAIMS A	S FILED		olumn 2)		SMALL	ENTITY	OR		R THAN ENTITY
	FOR	NUM	BER FILED	NUME	BER EXTRA	ı	RATE	. FEE		RATE	FEE
	SIC FEE CFR 1.16(a))					1		\$385.0	OR		\$770,0
TO	TAL CLAIMS CFR 1.16(c))		minus 2	n = 1 · ·		1	x s9.00 =	1,030.	1	× s/8.0=	<u> </u>
INC	EPENDENT CLAI	MS				1	(127)		OR		
_	CFR 1.16(b))		minus	3 = 1.	:	1	× • 10.	-	OR	× \$ 86.0=	
ΔU	LTIPLE DEPENDE	NT CLAIM PRESE	NT	(37 CFR 1.16(d))		_	+s/45 ¹²		OR	+ <u>s290</u> =	
lf	the difference in :	column 1 is less th	nan zero, e	nter "0" in column	2.		TOTAL		OR	TOTAL	
	С	LAIMS AS AM	IENDEC	- PART II							
		(Column 1)		(Column 2)	(Column 3)		SMALL I	ENTITY	OR	OTHER SMALL	
AMENDMENT A		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE	ADDI- TIONAL FEE		RATE	ADDI- TIONAL: FEE
NA F	Total (37 CFR 1.18(e))	281	Minus	281	-	ľ	× s 9 =	-	OR	× s/8 =	166
7	Independent (37 CFR 1.16(b))	. 5	Minus	" 5	-	۱.	× 543 =)	OR	× \$ 86 =	
2	FIRST PRESENT	ATION OF MULTIP	E DEPEND	ENT CLAIM (37 C	FR 1.15(d))		+\$145=	ĺ	OR	+ s ₂ 29D=	
							TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	
	,	(Column 1)		(Column 2)	(Column 3)						
AMENDMENT B		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE	ADDI- TIONAL FEE		RATE	ADDI- TIONAL FEE
<u></u>	Total (37 CFR 1.16(c))	•	Minus		=		x \$ 9 =		OR	× s/8 =	,,,,,,
2	Independent (37 CFR 1.16(b))		Minus	***	=		J.43			× \$ 86 =	
2	-		- DED540			Н	×310		OR	700	
_	FIRST PRESENT	ATION OF MULTIPL	E DEPEND	ENT CLAIM (37 C)	-R 1.16(d))		+\$/42 =		OR	TOTAL	
		,					ADD'L FEE		OR	ADD'L FEE	
_		(Column 1)		(Column 2)	(Column 3)						
2	1	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE	ADDI- TIONAL FEE		RATE .	ADDI- TIONAL FEE
M	Total (37 CFR 1.16(c))		Minus	**			× \$ 9 =		OR	× 5/8 =	
AMENUMENT	Independent - (37 CFR 1.16(b))	•	Minus	•••	-		× 5 43=		OR	× \$ 86 =	
Ĭ	FIRST PRESENT.	ATION OF MULTIPL	E DEPENDI	ENT CLAJM (37 CF	R 1.16(d)) .		+:145=		OR	+ \$290=	
				. ,,,,		L	TOTAL		. '	TOTAL	· · · · · · · · · · · · · · · · · · ·
	If the entry in co	lumn 1 is less tha	n the ento	in column 2 welt	a *0" in column	2	ADD'L FEE		OR	ADD L FEE	

If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter 3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

This collection of information is required by 37 CFR 1.15. In information is received to obtain or retain a benefit by the public which is to file (and by the USFR) to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete including gathering preparing, and submitting the completed application from the USFR 1.14. This collection is estimated to take 12 minutes to complete including gathering preparing, and submitting the completed application from to the USFR 1.14. This will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burder, should be sent to the Chief Information Officer, U.S. Pagestined of Commence, P.O. Box 1450, Alexandra, V.R. 22313-1450. D.N.OT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PAT	TENT APPL		FEE DETI	ERMINATIO	ON RECORD	normalion on	Applic	lays a valid OMB	umber 5	
i	CLAIMS A	S FILED -		olumn 2)	SMALL	ENTITY	OR		R THAN . ENTITY	
FOR	NUM	BER FILED	NUME	BER EXTRA	RATE	FEE	1	RATE	555	1
BASIC FEE (37 CFR 1.16(a))					1 1 100,12	:385.	1	RAIE	\$770.D	1
TOTAL CLAIMS (37 CFR 1.16(c))					× \$9.0 =	3.00.	1	100	\$ 110.0	ተ .
INDEPENDENT CLAIR	MS	minus 20			-	 	OR	× \$ 18 =		1 ,
(37 CFR 1.16(b))		minus 3	z. *		× 543.0=		OR	× \$ <u>86.0</u> =		1
MULTIPLE DEPENDE	NT CLAIM PRESE	NT (3	7 CFR 1.16(d))		+s/4522	· .	OR	+ s <u>290,</u> =		
* If the difference in o	column 1 is less th	nan zero, ent	ter *0" in column	2.	TOTAL		OR	TOTAL		1
· CI	LAIMS AS AN	MENDED -	– PART II				•			1
		LINDED	17001 11					· OTHER	R THAN	
	(Column 1)		(Column 2)	(Column 3)	SMALL	ENTITY	OR		ENTITY .	[]
V III III Total (37 GFR 1.16(e)) (37 GFR 1.16(b)) Independent (37 GFR 1.16(b)) V EIRET RESEARCH	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDI- TIONAL FEE	}	RATE	ADDI- TIONAL FEE	
Total (37 CFR 1.15(a))	·2X1	Minus	"2GO	= /	x s 9 =	1W	i	× \$ <u>/8</u> =	FEE	- 1 /
Z Independent	5	Minus	4	= ./	x s 43 =	112.W	OR	× \$10 =		8/1/0
EIDET DDECENT	ATION OF MULTIPI	C DEPENDEN			1	721	OR			,
T INGT PRESENT	ATION OF MOLTIF	LE DEPENDER	VICLAIM (37C)	FR 1.16(d))	+ s/1/2) =	- 13	OR	+ s290=		
					ADD'L FEE	3/	OR	ADD'L FEE		
·	(Column 1)		(Column 2)	(Column 3)						
Total (37 CFR 1.16(a)) Independent (37 CFR 1.15(b))	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDI- TIONAL FEE		RATE	ADDI- TIONAL	
Total (37 CFR 1.16(c))	.281	Minus	221		× 5 9 =			x s /8 =	FEE	mobile
Z Independent	- 5	Minus	<u> </u>	-	,43 -		OR.	0,		מוניונים
Z				L	x \$10 =		OR	x s_860_=		
FIRST PRESENTA	ATION OF MULTIPL	E DEPENDEN	IT CLAIM (37 CF	R 1.16(d))	+ \$/45_=	_	OR	+ 300=		
					ADD'L FEE		OR	TOTAL ADD'L FEE		
	(Column 1)		(Column 2)	(Column 3)						
2	CLAIMS REMAINING AFTER		HIGHEST NUMBER PREVIOUSLY	PRESENT EXTRA	RATE	ADDI- TIONAL		RATE	ADDI- TIONAL	
Z U S Total	AMENDMENT	Minus *	PAID FOR		1-2-	FEE			FEE	x1 1
(37 CFR 1.16(e))	NXI		187		x s. 7 =		OR	× 5/8 =	,	<i>219310</i>
Total (37 CFR 1.16(e)) Independent (37 CFR 1.16(e))	5.	Minus	5_		× s <u>43</u> ₌		OR	× s.860 =		1 .7
FIRST PRESENTA	TION OF MULTIPLE	DEPENDENT	T CLAIM (37 CF	R 1.16(d))	+5/45=	<u>_</u>	OR	+ \$290=		•
					TOTAL ADD'L FEE			TOTAL		
* If the entry in col	umn 1 is less tha	n the entry in	column 2, write	°0" in column 3	_		OR	ADD'L FEE		
" If the "Highest N	ımbar Previously	Paid For* IN	THIS SPACE is	s less than 3 on	tor "3"				1	
The "Highest Nur	nber Previously F	aid For" (To	tal or Independe	nt) is the highes	t number found in t	ne appropriate	box in co	lumn 1.		

This collection of information is required by 37 CFR 1.15. The information is required to obtain or retain a benefit by the public which is to file (and by the USP1O to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USP1O. Them will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1459, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Commissioner for Patents, P.O. Box 1459, Alexandria, VA 22313-1450.

PTO/SB/06 (08-03)
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	PA	TENT APPL		N FEE DET		ИС	RECORD		Applic	ation or Docket N	umber 5	7
	. ;	CLAIMS A	S FILED		Calumn 2)		SMALL	ENTITY	OR		R THAN ENTITY	,
FOR NUMBER FILED NUMBER EXTRA						7	RATE	FEE	7	RATE	FEE	1
BASIC FEE (37 CFR 1.16(a))				1	- IXIE	:385.0	1	NATE	\$770.00	1		
TO	TAL CLAIMS CFR 1.16(c))		minus 2			1.	x \$9.0 =	3,000.	OR	× s/8."=	\$110.	∱
INI	EPENDENT CLA	JMS .			-	┨┃	x s43.0=		OR	x \$10. =	 	- '
\vdash	CFR 1.16(b))		minus 3			┨		ļ	OR		ļ	-
ML	LTIPLE DEPEND	ENT CLAIM PRESI	NT (37 CFR 1.16(d))			+s/452		OR	+ 5290, 2		[
.11	the difference in	column 1 is less t	nan zero, e	nter "0" in column	n 2.		TOTAL		OR	TOTAL		
	C	LAIMS AS AN	/ENDED	– PART II								
İ		(0.1		(0-1	(0.1				OR	OTHE	R THAN	l
H	T	(Column 1) CLAIMS		(Column 2) HIGHEST	(Column 3)	1 ,	SMALL	NTITY	7	SMALL	ENTITY	ļ
IT A		REMAINING AFTER		NUMBER PREVIOUSLY	PRESENT EXTRA	П	RATE	ADDI- TIONAL		RATE	ADDI- TIONAL	[., ,
鱼	Total	AMENDMENT	Minus	PAID FOR	-	1		FEE	ļ		FEE	3/1/01
9	(37 CFR 1.15(c)) Independent	280	Minus	3/80		11	x s_9_ =		OR	× s/8_=		1,10,
AMENDMENT	(37 CFR 1.16(b))	4	IVIRIUS	4		11	× \$43 =		OR	× \$.8.6 =		ļ
₹	FIRST PRESEN	TATION OF MULTIP	LE DEPEND	ENT CLAIM (37 C	FR 1.16(d))	П	+ 5/45 =	_	OR	+ 5,290=		
							TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE		
		(Column 1)		(Column 2)	(Column 3)					,		
В	I	CLAIMS		HIGHEST	1	ıſ			l			
		REMAINING AFTER		NUMBER PREVIOUSLY	PRESENT EXTRA	П	RATE	ADDI- TIONAL		RATE	ADDI- TIONAL	AF
AMENDMENT	Total	AMENDMENT	Minus	PAID FOR			\overline{a}	FEE		10	FEE	AF Alvolo
Ö	(37 CFR 1.16(c)) Independent	200	Minus	<u> </u>	=	 	× s_7_ =		OR	x \$/0_=	<u> </u>	7/10/01
ME	(37 CFR 1.16(b))	4	L I	. 4		╽┟	× \$43 =		OR	x \$_860 =		
۹.	FIRST PRESENT	TATION OF MULTIPL	E DEPENDE	NT CLAIM (37 C	R 1.16(d))	l L	+\$45=	Ĺ	OR	+ 240=		
							TOTAL ADD'L FEE	_	OR	TOTAL ADD'L FEE		
		(Column 1)		(Column 2)	(Column 3)					•		
O		CLAIMS REMAINING		HIGHEST NUMBER	PRESENT	Γ	RATE	ADDI-		RATE	ADDI-	
H		AFTER -		PREVIOUSLY PAID FOR	EXTRA		NAIL	TIONAL FEE		KAIL	TIONAL FEE	
ME	Total (37 CFR 1.16(c))	280	Minus	"28O	= _		× 5 9 =			× 5/8 =	FEE	
Z	Independent (37 CFR 1.16(b))	. 4	Minus	<u>4</u>	=	t	.43		OR	x 586 =		1/7/02
AMENDMENT		ATION OF MIN 717				H	111E		OR	× \$ 800 =		1 109
_	FIRST PRESENT	ATION OF MULTIPL	= DEPENDE	NI CLAIM (37 CF	к 1.16(d))	L	+ s[42] =	$\overline{}$	OR	+ sac10=		
	If the entry in or	olumn 1 is less tha	n tha ant-	in anhumn 2 ·····	a "O" in noture - C		ADD'L FEE	<u> </u>	OR	ADD'L FEE		
	* If the *Highest t	olumni i is jess tha Number Previously Number Previously	Paid For*	IN THIS SPACE	is loss than 20 a	ontar	*20°.				.	
	The Willebert No.	vomber Previously	raio FOF I	N IMIS SPACE	s iess than 3, en	ner "	o,					

In Prigness number Previously Paid For (Total or independent) is the highest number found in the appropriate box in column 1. This scillaction of information is required by obtain or retain a benefit by the public which is to file (and by the USP10 to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 immules to complete, including gathering, preparing, and submitting the completed application from the USP10. Them will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this turden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 2231-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND 10: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 2231-1450.

PATENT APPLICATION FEE DETERMINATION RECORD Effective October 1, 1997															
			AS FILED -	PAR	T I (Co		SMAL TYPE	L ENTITY	OR		R THAN ENTITY				
FOR NUMBER FILED NUMBER EXTRA								1	RATE	FEE	1	RATE	FEE		
BAS	IC FEE					Commenced	eren eren	1	,	395.00	OR	2	790.00		
TOT	AL CLAIMS		0	minus	20 =	•		1	x\$11=		OR	x\$22=			
INDEPENDENT CLAIMS minus 3 =						•		ļ	x41=		OR	x82=			
MULTIPLE DEPENDENT CLAIM PRESENT									+135=		OR	+270≃			
- 110	* If the difference in column 1 is less than zero, enter "0" in column 2									395,00	OR	TOTAL			
		CLAII	MS AS	AMENDED	- PA	RT II					• •	OTHE	R THAN		
	Lindinals . I		mn 1)	Light Association		olumn 2)	(Column 3)		SMAL	LENTITY	OR		ENTITY		
AMENDMENT A	<u>Q</u>	REMA	NMS NNING TER DMENT		PRE	GHEST UMBER EVIOUSLY ND FOR	PRESENT EXTRA		RATE	ADDI- TIONAL FEE		RATE	ADDI- TIONAL FEE	9/20/99	
MOP	Total	$\cdot \mathcal{J}$	80	Minus	••	20	260		x\$11=	2840	OR	x\$22=	4	Æ d,	
ME	Independent	· [<u>f</u>	Minus	*** (<u> 3 </u>	= /		x41=	39.00	OR	x82=	ter	A	
1	FIRST PRE	SENTAT	ION OF	MULTIPLE	DEPE	NDENT CL	AIM		+135=		OR	+270=			
								1	TOTAL		OR	TOTAL ADDIT. FEE			
			mn 1) IMS	1. BU 1.00	_	olumn 2) GHEST	(Column 3)	1		1	I				
MENDMENT B	C. V. S	AF	INING TER DMENT		PRE	UMBER VIOUSLY ND FOR	PRESENT EXTRA		RATE	ADDI- TIONAL FEE		RATE	ADDI- TIONAL FEE		
MQ	Total	· 2	80	Minus	 c	280			x\$11=		OR	x\$22=		0/- 1-	
ME	Independent	• /	4	Minus	***	4			x41=	_	OR	x82=		9/21/97	
٧	FIRST PRESENTATION OF MULTIPLE I					NDENT CL	AIM		+135=		OR	+270=			
	(Column 1) (Column 2) (Column 3)								TOTAL ODIT. FEE		OR	TOTAL ADDIT. FEE			
ENT C		REMA AF	IMS INING IER OMENT		PRE	GHEST UMBER VIOUSLY VID FOR	PRESENT EXTRA		RATE	ADDI- TIONAL FEE		RATE	ADDI- TIONAL FEE	<i>a</i>	
DM	Total	.28	30	Minus	: (280	=		x\$11=		OR	x\$22=		EX.AMST	
AMENDMENT	independent	٠ ٧	<i>[</i>	Minus	***	4	= -		x41=	-	OR	x82=		11/19/99	
٧	FIRST PRES	FIRST PRESENTATION OF MULTIPLE DE					AIM		+135=		OR	+270=			
"If the entry in column 1 is less than the entry in column 2, write "O' in column 3. "If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20. "If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "20. The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.															